

Figure 1

System Data Flow Overview

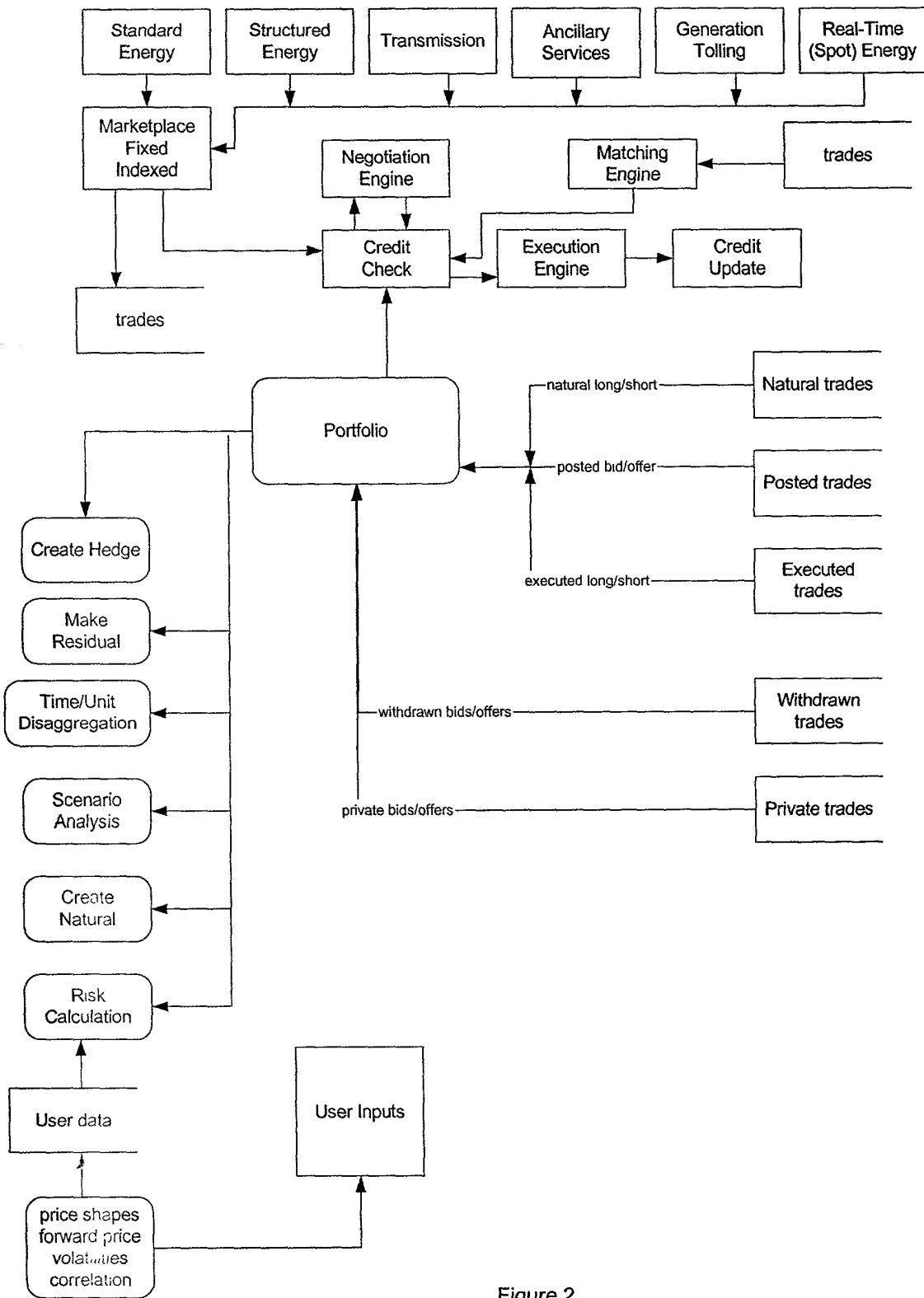


Figure 2

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Fig.

Main Information		Customer Information		Product Information		Order Information		Sales Information		Marketing Information	
Start Date	End Date	Customer ID	Customer Name	Product ID	Product Name	Order ID	Order Date	Order Type	Order Status	Order Qty	Order Price
2023-01-01	2023-01-31	Customer 1	Customer 1 Name	Product 1	Product 1 Name	Order 1	2023-01-01	Normal	Open	100	100.00
2023-02-01	2023-02-28	Customer 2	Customer 2 Name	Product 2	Product 2 Name	Order 2	2023-02-01	Normal	Open	150	150.00
2023-03-01	2023-03-31	Customer 3	Customer 3 Name	Product 3	Product 3 Name	Order 3	2023-03-01	Normal	Open	200	200.00
2023-04-01	2023-04-30	Customer 4	Customer 4 Name	Product 4	Product 4 Name	Order 4	2023-04-01	Normal	Open	250	250.00
2023-05-01	2023-05-31	Customer 5	Customer 5 Name	Product 5	Product 5 Name	Order 5	2023-05-01	Normal	Open	300	300.00
2023-06-01	2023-06-30	Customer 6	Customer 6 Name	Product 6	Product 6 Name	Order 6	2023-06-01	Normal	Open	350	350.00
2023-07-01	2023-07-31	Customer 7	Customer 7 Name	Product 7	Product 7 Name	Order 7	2023-07-01	Normal	Open	400	400.00
2023-08-01	2023-08-31	Customer 8	Customer 8 Name	Product 8	Product 8 Name	Order 8	2023-08-01	Normal	Open	450	450.00
2023-09-01	2023-09-30	Customer 9	Customer 9 Name	Product 9	Product 9 Name	Order 9	2023-09-01	Normal	Open	500	500.00
2023-10-01	2023-10-31	Customer 10	Customer 10 Name	Product 10	Product 10 Name	Order 10	2023-10-01	Normal	Open	550	550.00
2023-11-01	2023-11-30	Customer 11	Customer 11 Name	Product 11	Product 11 Name	Order 11	2023-11-01	Normal	Open	600	600.00
2023-12-01	2023-12-31	Customer 12	Customer 12 Name	Product 12	Product 12 Name	Order 12	2023-12-01	Normal	Open	650	650.00
2024-01-01	2024-01-31	Customer 13	Customer 13 Name	Product 13	Product 13 Name	Order 13	2024-01-01	Normal	Open	700	700.00
2024-02-01	2024-02-28	Customer 14	Customer 14 Name	Product 14	Product 14 Name	Order 14	2024-02-01	Normal	Open	750	750.00
2024-03-01	2024-03-31	Customer 15	Customer 15 Name	Product 15	Product 15 Name	Order 15	2024-03-01	Normal	Open	800	800.00
2024-04-01	2024-04-30	Customer 16	Customer 16 Name	Product 16	Product 16 Name	Order 16	2024-04-01	Normal	Open	850	850.00
2024-05-01	2024-05-31	Customer 17	Customer 17 Name	Product 17	Product 17 Name	Order 17	2024-05-01	Normal	Open	900	900.00
2024-06-01	2024-06-30	Customer 18	Customer 18 Name	Product 18	Product 18 Name	Order 18	2024-06-01	Normal	Open	950	950.00
2024-07-01	2024-07-31	Customer 19	Customer 19 Name	Product 19	Product 19 Name	Order 19	2024-07-01	Normal	Open	1000	1000.00
2024-08-01	2024-08-31	Customer 20	Customer 20 Name	Product 20	Product 20 Name	Order 20	2024-08-01	Normal	Open	1050	1050.00
2024-09-01	2024-09-30	Customer 21	Customer 21 Name	Product 21	Product 21 Name	Order 21	2024-09-01	Normal	Open	1100	1100.00
2024-10-01	2024-10-31	Customer 22	Customer 22 Name	Product 22	Product 22 Name	Order 22	2024-10-01	Normal	Open	1150	1150.00
2024-11-01	2024-11-30	Customer 23	Customer 23 Name	Product 23	Product 23 Name	Order 23	2024-11-01	Normal	Open	1200	1200.00
2024-12-01	2024-12-31	Customer 24	Customer 24 Name	Product 24	Product 24 Name	Order 24	2024-12-01	Normal	Open	1250	1250.00
2025-01-01	2025-01-31	Customer 25	Customer 25 Name	Product 25	Product 25 Name	Order 25	2025-01-01	Normal	Open	1300	1300.00
2025-02-01	2025-02-28	Customer 26	Customer 26 Name	Product 26	Product 26 Name	Order 26	2025-02-01	Normal	Open	1350	1350.00
2025-03-01	2025-03-31	Customer 27	Customer 27 Name	Product 27	Product 27 Name	Order 27	2025-03-01	Normal	Open	1400	1400.00
2025-04-01	2025-04-30	Customer 28	Customer 28 Name	Product 28	Product 28 Name	Order 28	2025-04-01	Normal	Open	1450	1450.00
2025-05-01	2025-05-31	Customer 29	Customer 29 Name	Product 29	Product 29 Name	Order 29	2025-05-01	Normal	Open	1500	1500.00
2025-06-01	2025-06-30	Customer 30	Customer 30 Name	Product 30	Product 30 Name	Order 30	2025-06-01	Normal	Open	1550	1550.00
2025-07-01	2025-07-31	Customer 31	Customer 31 Name	Product 31	Product 31 Name	Order 31	2025-07-01	Normal	Open	1600	1600.00
2025-08-01	2025-08-31	Customer 32	Customer 32 Name	Product 32	Product 32 Name	Order 32	2025-08-01	Normal	Open	1650	1650.00
2025-09-01	2025-09-30	Customer 33	Customer 33 Name	Product 33	Product 33 Name	Order 33	2025-09-01	Normal	Open	1700	1700.00
2025-10-01	2025-10-31	Customer 34	Customer 34 Name	Product 34	Product 34 Name	Order 34	2025-10-01	Normal	Open	1750	1750.00
2025-11-01	2025-11-30	Customer 35	Customer 35 Name	Product 35	Product 35 Name	Order 35	2025-11-01	Normal	Open	1800	1800.00
2025-12-01	2025-12-31	Customer 36	Customer 36 Name	Product 36	Product 36 Name	Order 36	2025-12-01	Normal	Open	1850	1850.00
2026-01-01	2026-01-31	Customer 37	Customer 37 Name	Product 37	Product 37 Name	Order 37	2026-01-01	Normal	Open	1900	1900.00
2026-02-01	2026-02-28	Customer 38	Customer 38 Name	Product 38	Product 38 Name	Order 38	2026-02-01	Normal	Open	1950	1950.00
2026-03-01	2026-03-31	Customer 39	Customer 39 Name	Product 39	Product 39 Name	Order 39	2026-03-01	Normal	Open	2000	2000.00
2026-04-01	2026-04-30	Customer 40	Customer 40 Name	Product 40	Product 40 Name	Order 40	2026-04-01	Normal	Open	2050	2050.00
2026-05-01	2026-05-31	Customer 41	Customer 41 Name	Product 41	Product 41 Name	Order 41	2026-05-01	Normal	Open	2100	2100.00
2026-06-01	2026-06-30	Customer 42	Customer 42 Name	Product 42	Product 42 Name	Order 42	2026-06-01	Normal	Open	2150	2150.00
2026-07-01	2026-07-31	Customer 43	Customer 43 Name	Product 43	Product 43 Name	Order 43	2026-07-01	Normal	Open	2200	2200.00
2026-08-01	2026-08-31	Customer 44	Customer 44 Name	Product 44	Product 44 Name	Order 44	2026-08-01	Normal	Open	2250	2250.00
2026-09-01	2026-09-30	Customer 45	Customer 45 Name	Product 45	Product 45 Name	Order 45	2026-09-01	Normal	Open	2300	2300.00
2026-10-01	2026-10-31	Customer 46	Customer 46 Name	Product 46	Product 46 Name	Order 46	2026-10-01	Normal	Open	2350	2350.00
2026-11-01	2026-11-30	Customer 47	Customer 47 Name	Product 47	Product 47 Name	Order 47	2026-11-01	Normal	Open	2400	2400.00
2026-12-01	2026-12-31	Customer 48	Customer 48 Name	Product 48	Product 48 Name	Order 48	2026-12-01	Normal	Open	2450	2450.00
2027-01-01	2027-01-31	Customer 49	Customer 49 Name	Product 49	Product 49 Name	Order 49	2027-01-01	Normal	Open	2500	2500.00
2027-02-01	2027-02-28	Customer 50	Customer 50 Name	Product 50	Product 50 Name	Order 50	2027-02-01	Normal	Open	2550	2550.00
2027-03-01	2027-03-31	Customer 51	Customer 51 Name	Product 51	Product 51 Name	Order 51	2027-03-01	Normal	Open	2600	2600.00
2027-04-01	2027-04-30	Customer 52	Customer 52 Name	Product 52	Product 52 Name	Order 52	2027-04-01	Normal	Open	2650	2650.00
2027-05-01	2027-05-31	Customer 53	Customer 53 Name	Product 53	Product 53 Name	Order 53	2027-05-01	Normal	Open	2700	2700.00
2027-06-01	2027-06-30	Customer 54	Customer 54 Name	Product 54	Product 54 Name	Order 54	2027-06-01	Normal	Open	2750	2750.00
2027-07-01	2027-07-31	Customer 55	Customer 55 Name	Product 55	Product 55 Name	Order 55	2027-07-01	Normal	Open	2800	2800.00
2027-08-01	2027-08-31	Customer 56	Customer 56 Name	Product 56	Product 56 Name	Order 56	2027-08-01	Normal	Open	2850	2850.00
2027-09-01	2027-09-30	Customer 57	Customer 57 Name	Product 57	Product 57 Name	Order 57	2027-09-01	Normal	Open	2900	2900.00
2027-10-01	2027-10-31	Customer 58	Customer 58 Name	Product 58	Product 58 Name	Order 58	2027-10-01	Normal	Open	2950	2950.00
2027-11-01	2027-11-30	Customer 59	Customer 59 Name	Product 59	Product 59 Name	Order 59	2027-11-01	Normal	Open	3000	3000.00
2027-12-01	2027-12-31	Customer 60	Customer 60 Name	Product 60	Product 60 Name	Order 60	2027-12-01	Normal	Open	3050	3050.00
2028-01-01	2028-01-31	Customer 61	Customer 61 Name	Product 61	Product 61 Name	Order 61	2028-01-01	Normal	Open	3100	3100.00
2028-02-01	2028-02-28	Customer 62	Customer 62 Name	Product 62	Product 62 Name	Order 62	2028-02-01	Normal	Open	3150	3150.00
2028-03-01	2028-03-31	Customer 63	Customer 63 Name	Product 63	Product 63 Name	Order 63	2028-03-01	Normal	Open	3200	3200.00
2028-04-01	2028-04-30	Customer 64	Customer 64 Name	Product 64	Product 64 Name	Order 64	2028-04-01	Normal	Open	3250	3250.00
2028-05-01	2028-05-31	Customer 65	Customer 65 Name	Product 65	Product 65 Name	Order 65	2028-05-01	Normal	Open	3300	3300.00
2028-06-01	2028-06-30	Customer 66	Customer 66 Name	Product 66	Product 66 Name	Order 66	2028-06-01	Normal	Open	3350	3350.00
2028-07-01	2028-07-31	Customer 67	Customer 67 Name	Product 67	Product 67 Name	Order 67	2028-07-01	Normal	Open	3400	3400.00
2028-08-01	2028-08-31	Customer 68	Customer 68 Name	Product 68	Product 68 Name	Order 68	2028-08-01	Normal	Open	3450	3450.00
2028-09-01	2028-09-30	Customer 69	Customer 69 Name	Product 69	Product 69 Name	Order 69	2028-09-01	Normal	Open	3500	3500.00
2028-10-01	2028-10-31	Customer 70	Customer 70 Name	Product 70	Product 70 Name	Order 70	2028-10-01	Normal	Open	3550	3550.00
2028-11-01	2028-11-30	Customer 71	Customer 71 Name	Product 71	Product 71 Name	Order 71	2028-11-01	Normal	Open	3600	3600.00
2028-12-01	2028-12-31	Customer 72	Customer 72 Name	Product 72	Product 72 Name	Order 72	2028-12-01	Normal	Open	3650	3650.00
2029-01-01	2029-01-31	Customer 73	Customer 73 Name	Product 73	Product 73 Name	Order 73	2029-01-01	Normal	Open	3700	3700.00
2029-02-01	2029-02-28	Customer 74	Customer 74 Name	Product 74	Product 74 Name	Order 74	2029-02-01	Normal	Open	3750	3750.00
2029-03-01	2029-03-31	Customer 75	Customer 75 Name	Product 75	Product 75 Name	Order 75	2029-03-01	Normal	Open	3800	3800.00
2029-04-01	2029-04-30	Customer 76	Customer 76 Name	Product 76	Product 76 Name	Order 76	2029-04-01	Normal	Open	3850	3850.00
2029-05-01	2029-05-31	Customer 77	Customer 77 Name	Product 77	Product 77 Name	Order 77	2029-05-01	Normal	Open	3900	3900.00
2029-06-01	2029-06-30	Customer 78	Customer 78 Name	Product 78	Product 78 Name	Order 78	2029-06-01	Normal	Open	3950	3950.00
2029-07-01	2029-07-31	Customer 79	Customer 79 Name	Product 79	Product 79 Name	Order 79	2029-07-01	Normal	Open	4000	4000.00
2029-08-01	2029-08-31	Customer 80	Customer 80 Name	Product 80	Product 80 Name	Order 80	2029-08-01	Normal	Open	4050	4050.00
2029-09-01	2029-09-30	Customer 81	Customer 81 Name	Product 81	Product 81 Name	Order 81	2029-09-01	Normal	Open	4100	4100.00
2029-10-01	2029-10-31	Customer 82	Customer 82 Name	Product 82	Product 82 Name	Order 82	2029-10-01	Normal	Open	4150	4150.00
2029-11-01	2029-11-30	Customer 83	Customer 83 Name	Product 83	Product 83 Name	Order 83	2029-11-01	Normal	Open	4200	4200.00
2029-12-01	2029-12-31	Customer 84	Customer 84 Name	Product 84	Product 84 Name	Order 84	2029-12-01	Normal	Open	4250	4250.00
2030-01-01	2030-01-31	Customer 85	Customer 85 Name	Product 85	Product 85 Name	Order 85	2030-01-01	Normal	Open	4300	4300.00
2030-02-01	2030-02-28	Customer 86	Customer 86 Name	Product 86	Product 86 Name	Order 86	2030-02-01	Normal	Open	4350	4350.00
2030-03-01	2030-03-31	Customer 87	Customer 87 Name	Product 87	Product 87 Name	Order 87	2030-03-01	Normal	Open	4400	4400.00
2030-04-01	2030-04-30	Customer 88	Customer 88 Name	Product 88	Product 88 Name	Order 88	2030-04-01	Normal	Open	4450	4450.00
2030-05-01	2030-05-31	Customer 89	Customer 89 Name	Product 89	Product 89 Name	Order 89	2030-05-01	Normal	Open	4500	4500.00
2030-06-01	2030-06-30	Customer 90	Customer 90 Name	Product 90	Product 90 Name	Order 90	2030-06-01	Normal	Open	4550	4550.00
2030-07-01	2030-07-31	Customer 91	Customer 91 Name	Product 91	Product 91 Name	Order 91	2030-07-01	Normal	Open	4600	4600.00
2030-08-01	2030-08-31	Customer 92	Customer 92 Name	Product 92	Product 92 Name	Order 92	2030-08-01	Normal	Open	4650	4650.00
2030-09-01	2030-09-30	Customer 93	Customer 93 Name	Product 93	Product 93 Name	Order 93	2030-09-01	Normal	Open	4700	4700.00
2030-10-01	2030-10-31	Customer 94	Customer 94 Name	Product 94	Product 94 Name	Order 94	2030-10-01	Normal	Open	4750	4750.00
2030-11-01	2030-11-30	Customer 95	Customer 95 Name	Product							

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Fig. 6

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Sustained Power Maintenance

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